

The Spatial Query – “Are within a distance of”

With the Select By Location dialog box, you can select features based on their location relative to other features.

As an example, you want to know how many parcels are within 300 feet of a planning and zoning change along a road segment.

Answering this question—and others like it—involves forming a spatial query.

In this case we will be using the query of “are within a distance of” to select the needed parcels. Activate the Select Features tool.

Within the data frame select the road segment where the zoning change is taking place.

Next, choose selection in the Main Menu. From the drop down choose select by location.

The Select By Location dialog box will appear. In the I want to drop down choose select features from.

In the following layers: menu, choose the parcels layer. In that: menu, choose are within a distance of.

In the features in this layer choose streets.

Because we selected the street we wanted the Use selected features box is checked.

When we chose Are within a distance of the Apply a buffer to the features dialog was activated.

Type in a distance of 300 and choose feet if it’s not already selected.

All the highlighted parcels are within 300 feet of the road segment we chose.

Click Apply and then Close.

To view the selected parcels open the parcel attribute table and click on Selected.